

New Jersey Department of Environmental ProtectionSite Remediation Program

RECEPTOR EVALUATION (RE) FORM

Date Stamp

			(For Department use only)
SECTION A. SITE			
Site Name: Hess Corporation Form	er Port Reading Comp	lex	
Program Interest (PI) Number(s): 0	D6148		
Case Tracking Number(s) for this su	ıbmission: <u>E20130449</u>		
		d to the Cover/Certification For	m
it	not submitted thro	ugh the RIR Online Service	
Indicate the type of submission:			
☒ Initial RE Submission			
☐ Submission of a Remedial☐ Submission of a Remedial☐ Check if included in updated RE	ate Environmental Cond Investigation Report; Action Report; or extent of contaminati ntified; d;	form pern (IEC) source control report; ion in any medium has increased;	
SECTION B. ON SITE AND SURR	OUNDING PROPERTY	/ USE	
Identify any sensitive population of the site boundary (check all the street of t		ly on-site or surrounding property us On-site Off-site	age within 200 feet
None of the following	pertydes K-12other recreation areas.		
If any of the above applies, atta- location relative to the site.	ch a list of addresses, f	acility names, type of use, and a ma	o depicting each
2. Current site uses (check all that	apply): Residential Government Other:	☐ Commercial ☐ Agricultu☐ Park or recreational use	ıral
3. Planned future site uses and off☒ Industrial☐ School or child care☐ Vacant	site use within 200 ft o Residential Government Other:	of site boundary (check all that apply) Commercial Park or recreational use	
Provide a map depicting the I	ocation of the proposed	d changes in land use.	

SE	CTION C. DESCRIPTION OF CONTAMINATION				
1.	Identify if any of the following exist at the site (check all that apply): The product [N.J.A.C. 7:26E-1.8] identified is LNAPL* or DNAPL**. Date identified: 10/30/1969 Residual product [N.J.A.C. 7:26E-1.8] Other high concentration source materials not identified above (e.g., buried drums, containers)				
	Other high concentration source materials not identified above (e.g., buried drums, containers, unsecured friable asbestos)				
	Explain:				
	* LNAPL – measured thickness of .01 feet or more				
	**DNAPL – See US EPA DNAPL Overview				
2.	Soil Migration Pathway				
	Has soil contamination been delineated to the applicable Direct Contact Soil Remediation Standard? Yes ⊠ No				
	Are all soils either below the applicable Direct Contact Criteria or under an institutional control (i.e. deed notice)?				
3.	If this evaluation is submitted with a technical document that includes contaminant summary information, proceed to Section D. Otherwise attach a brief summary of all currently available data and information to be included in the site investigation or remedial investigation report.				
SE	CTION D. GROUND WATER USE				
1.	Has the requirement for ground water sampling been triggered?				
2.	Is Ground water contaminated above the Ground Water Remediation Standards [N.J.A.C.7:9C]?				
	Or Awaiting laboratory data with the expected due date:				
	If "Yes," provide the date that the laboratory data was available and confirmed contamination above the Ground Water Remediation Standards. Date: 01/19/2011				
	If "Unknown," explain:				
	If "No," or awaiting laboratory data proceed to Section F.				
3.	Has ground water contamination been delineated to the applicable Remediation Standard?				
4.	Has a well search been completed?				
	Date of most recent or updated well search: 09/24/2015				
	Identify if any of the following conditions exist based on the well search [N.J.A.C.7:26E-1.14(a)] (check all that apply): Potable wells located within 500 feet from the downgradient edge of the currently known extent of contamination. Potable well located 250 feet upgradient or 500 feet side gradient of the currently known extent of contamination. Ground water contamination is located within a Tier 1 wellhead protection area (WHPA).				
5.	Is a completed Well Search Spreadsheet or historical well search table attached and has an electronic copy of the spreadsheet been submitted to srpgis_wrs@dep.state.nj.us				
	If "No," explain:				
6.	Are any private potable or irrigation wells located within ½ mile of the currently known extent of contamination?				
	If "Yes," was a door to door survey completed? ☐ Yes ☐ No				
	If survey was not completed explain:				
7.	Has sampling been conducted of ☐ potable well(s) and /or ☐ non-potable use well(s)? Yes ☒ No If "No," provide justification then proceed to Section E.				
	Potable wells are located approximately 4,600 feet from the Property.				

8	Has contamination been identified in potable well(s) above Ground Water Remediation Standards that is not suspected to be from the site? (If "Yes," provide justification)	□No			
9	Has contamination been identified in potable well(s) that is above the Ground Water Remediation Standards or Federal Drinking Water Standards?	☐ No			
	Provide date laboratory data was received:				
	Or awaiting laboratory data with the expected due date:				
	If "Yes" for potable well contamination not attributable to background , follow the IEC Guidance Document at http://www.nj.gov/dep/srp/quidance/index.html#iec for required actions and answer the following:				
	Has an engineered system response action been completed on all receptors?	□No			
	Date completed: NJDEP Case Manager:				
10.	. Were Non-potable use well(s) sampled and results were above Class II Ground Water Remediation Standards? ☐ Yes	□No			
	Provide date laboratory data was received:				
	Or 🔲 awaiting laboratory data with the expected due date:				
11.	. Has the ground water use evaluation been completed?	☐ No			
SE	CTION E. VAPOR INTRUSION (VI)				
1.	 Contaminants present in ground water exceed the Vapor Intrusion Ground Water Screening Levels that trigger a VI evaluation. (see NJDEP Vapor Intrusion Technical Guidance)				
	Or Awaiting laboratory data and the expected due date:				
	Provide the date that the laboratory data was available and confirmed contamination above the Vapor Intrusion Trigger Levels. Date: 09/08/2010	on			
2.	Other existing conditions that trigger a VI evaluation. (see NJDEP Vapor Intrusion Technical Guidance)				
	 Wet basement or sump containing free product or ground water containing volatile organics Methane generating conditions causing oxygen deficient or explosion concern Other human or safety concern from the VI pathway (i.e. elemental mercury, unsaturated contamination, elevation soil gas or indoor vapor (explain): 	/ated			
	ou answered "No," or awaiting laboratory data to Question 1., <u>and</u> did not check any boxes in Question 2, proceed ection F, "Ecological Receptors", otherwise complete the rest of this section.	to			
3.	Has ground water contamination been delineated to the applicable Ground Water Vapor Screening Level? Yes	⊠ No			
4.	Was a site specific screening level, modeling or other alternative approach employed for the VI pathway?	⊠ No			
5.	Identify and locate on a scaled map any buildings/sensitive populations that exist within the following distances from ground water contamination with concentrations above the Vapor Intrusion Ground Water Screening Levels or specthreats (check all that apply):				
	 ☐ 30 feet of petroleum free product or dissolved petroleum hydrocarbon contamination in ground water ☑ 100 feet of any non-petroleum free product or any non-petroleum dissolved volatile organic ground water contamination 				
_	☐ No buildings exist within the specified distances	.			
6.	The vapor intrusion pathway is a concern at or adjacent to the site (if "No," attach justification)	✓ No			

7.	Has soil gas sampling of the building(s) been If "No," or "N/A," proceed to #12	conducted?		X Yes	□ No	□ N/A
8.	as indoor air sampling been conducted at the identified building(s)?				□No	
9	Has indoor air contamination been identified be (if "Yes," attach justification)				🗌 Yes	⊠ No
10.	Indoor air results were above the NJDEP's Ra	apid Action Levels	3		🗌 Yes	⊠ No
	Provide the date that the laboratory data w	as available. Da	ite: 11/10/2010			
	Or	pected due date:				
	If "Yes" to #10 above, follow the IEC Gu http://www.nj.gov/dep/srp/guidance/index					
	The IEC engineering system response for identified structures				🗌 Yes	☐ No
	Date: NJDEP Cas	e Manager:				
11.	Indoor air sampling was conducted and result: Levels but at or below the Rapid Action Level				🗌 Yes	⊠ No
	Provide the date that the laboratory data w	as available. Da	te: 11/10/2010			
	Or Awaiting laboratory data with the ex	pected due date:		<u> </u>		
	If "Yes" to #11 above, answer the follow	ving:				
	Has the Vapor Concern (VC) Response Active been submitted?				🗌 Yes	⊠ No
	Date:					
	Has a plan to mitigate and monitor the exp	osure been subm	itted?		🗌 Yes	⊠ No
	Date:				_	
	Has the Mitigation Response Action Repor	t been submitted'	?		🗌 Yes	⊠ No
40	Date:				N	□ N-
12. Has the vapor intrusion investigation been completed?					☐ No	
	investigation or remedial investigation. (If "	No," attach justific	cation)		🗌 Yes	☐ No
SE	CTION F. ECOLOGICAL RECEPTORS					
1.	Has an Ecological Evaluation (EE) has been o	conducted? [N.J.A	A.C. 7:26E-1.16]	•••••	X Yes	☐ No
	Date conducted: 10/14/2015	-	-		_	_
2.						
3.	Has a remedial investigation of ecological rec	_				⊠ No
	Date conducted:	•				_
4.	Provide the following information for any surfa	ace water body or	or within 200 feet of	the site:		
		Stream	Antidegradation	Trout	Trout	
	Surface Water Body Name	Classification	Designation		Maintenar	ıce
	Arthur Kill Ship Channel	FW2-NT	C2			
	Smith Creek	FW2-NT	C2			

5.		s the site contain any features regulated by the Land Use Regulation Program (LURP)? . wetlands, flood hazard area, tidelands, etc.)		
	If "`	Yes," identify the type(s) of features: Zone AE Flood Hazard Zone, Freshwater Emergent & Estuarine Wetland	ls	
6.	Hav	ve any formal LURP jurisdiction letters or approvals been issued for the site? 🗌 Yes	⊠ No	
	If "`	Yes," what is the LURP Program Interest (PI) number(s) for the site?		
7.	Hav	ve any applications for formal LURP jurisdiction letters or approvals been submitted the NJDEP? Yes	⊠ No	
	If "`	Yes," what is the LURP Program Interest (PI) number(s) for the site?		
8.	ls f	ree product or residual product located within 100 feet from an ecological receptor?	⊠ No	
9.				
If "Yes," Unknown at this time.		Yes," Unknown at this time.		
	a)	Check all that apply:		
		☐ Ecological receptor(s) ☐ Surface water ☐ Sediment		
	b)	Submit with this evaluation either a technical document that includes contaminant summary information, or a description of the type of contamination, a schedule, and a description of all actions to be taken to mitigate exposure.		

Completed forms should be sent to the municipal clerk, designate health department, and:

Bureau of Case Assignment & Initial Notice Site Remediation Program NJ Department of Environmental Protection 401-05H PO Box 420 Trenton, NJ 08625-0420

RECEPTOR EVALUATION – ADDITIONAL INFORMATION

HESS CORPORATION FORMER PORT READING COMPLEX (HC-PR) 750 CLIFF ROAD

PORT READING (WOODBRIDGE TWP), MIDDLESEX COUNTY, NEW JERSEY

SECTION B - ON SITE and SURROUNDING PROPERTY USE

Land use within 200 feet of the property boundary includes residential properties. However, the closest residence is over 800 feet from known petroleum impacts. In addition, all residences are upgradient of known petroleum impacts. Several monitoring wells are located between the known impacts and residential properties. These monitoring wells are sampled annually and there have been no contaminants detected above their respective NJDEP Groundwater Quality Standards (GWQS).

SECTION E – VAPOR INTRUSION (VI)

An indoor air investigation was conducted at the Hess Corporation Port Reading Administration Building on November 10, 2010. All analytical results were below the NJDEP Indoor Air Screening Levels. A Vapor Intrusion (VI) Sampling Form and Spreadsheet, Full Laboratory Deliverables Form and associated laboratory data, and the Electronic Disk Deliverables (EDDs) Conversion Tables were submitted to the NJDEP and USEPA on February 28, 2011.

SECTION F - ECOLOGICAL RECEPTORS

An Ecological Evaluation (EE) has been completed for the HC-PR property and is attached to this Receptor Evaluation. The EE documents the following:

- Environmentally Sensitive Natural Resources (ESNRs) are present on or adjacent to the site or are in locations receiving discharges from the site; and
- A preliminary identification that the site contains contaminants above Ecological Screening Criteria (ESCs); and
- An initial assessment of possible contamination migration pathways.

Since each of these conditions have been satisfied, an Ecological Risk Assessment (ERA) will be required pursuant to N.J.A.C. 7:26E-4.8. The ERA will be conducted as part of the Remedial Investigation at the site and will determine whether actual or potential ecological risks exist, identify those constituents that pose the adverse ecological risks, and generate data for risk-based remediation goal determinations and for any Risk Management Decisions (RMDs).